

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. -6. (canceled)

7. (currently amended) ~~The advanced IPMI system of claim 1~~ An advanced intelligent platform management interface (IPMI) system with multi-message and configurable performance, optimally used among message sources, the IPMI system comprising:

an IPMI message subsystem having a channel center used to receive/send an IPMI message from message sources, and having a message execution group which initiates a corresponding execution procedure with respect to each IPMI message;

an IPMI core subsystem having a plurality of application units at least one which executes the IPMI message according to the execution procedure of the IPMI message subsystem; and

a central message buffer unit having a memory block which provides a pointer of a corresponding address in the block for temporary storage of each IPMI message wherein each said subsystem just transmits the pointer therebetween thereby reducing times of reading the IPMI message and raising the performance of the IPMI system,

wherein the message execution group further comprises:

a plurality of message service modules which designates every IPMI message a default execution procedure correspondingly wherein at least one execution procedure instructs the application units of the IPMI core subsystem for executing said IPMI message;

a programmable-configured message sheet which allows the user to define the corresponding relation between every IPMI message and said message service module; and

at least one of multiple message processing units which looks up a corresponding message service module of the message sheet according to every IPMI message and initiates the execution procedure of the message service module.

8. (original) The advanced IPMI system of claim 7 wherein the message execution group further programmably configures the multiple message processing units that concurrently multi-process the IPMI messages to enable the advanced IPMI system configurable execution performance.

9. (original) The advanced IPMI system of claim 8 wherein the message processing units of the message execution group receive the pointers of the IPMI message and transmit the pointers to the application units of said IPMI core subsystem through the message service modules.

10. (original) The advanced IPMI system of claim 9 wherein the application units of said IPMI core subsystem read and process the IPMI message from the central message buffer unit according to the pointer.

11. - 15. (canceled)

16. (currently amended) ~~The advanced IPMI system of claim 1 further comprising~~ An advanced intelligent platform management interface (IPMI) system with multi-message and configurable performance, optimally used among message sources, the IPMI system comprising:

an IPMI message subsystem having a channel center used to receive/send an IPMI message from message sources, and having a message execution group which initiates a corresponding execution procedure with respect to each IPMI message;

an IPMI core subsystem having a plurality of application units at least one which executes the IPMI message according to the execution procedure of the IPMI message subsystem;

a central message buffer unit having a memory block which provides a pointer of a corresponding address in the block for temporary storage of each IPMI message wherein each said subsystem just transmits the pointer therebetween thereby reducing times of reading the IPMI message and raising the performance of the IPMI system; and

an a real time operating system (OS) (RTOS) management module having multiple specific mapping functions for communicating with different types of OS RTOS, allowing the advanced IPMI system to function with different OS RTOS.

17. (currently amended) The advanced IPMI system of claim [[1]] 16 further comprising a hardware management module having a plurality of driver units for communicating with different baseboard management controllers (BMC), allowing the advanced IPMI system to function in different hardware environments.

18. - 21. (canceled)

22. (original) An advanced intelligent platform management interface (IPMI) system with multi-message and configurable performance, optimally used among message sources, the IPMI system comprising:

- a channel center which receives/sends an IPMI message from message sources;
- a plurality of message service modules which designates each IPMI message a default execution procedure, correspondingly;
- a programmable-configured message sheet which allows the user to define the corresponding relation between each IPMI message and said message service module; and
- a plurality of programmable-configured message processing units which concurrently multi-process the IPMI messages to enable the advanced IPMI system for configurable execution performance, by way of each message processing unit looking up the corresponding message service module of the message sheet according to each IPMI message and initiating the execution procedure of the message service module for executing the IPMI message.

23. (original) The advanced IPMI system of claim 22 wherein the message processing unit is a thread and the execution procedure of the message service module is a routine.

24. (original) The advanced IPMI system of claim 22 further comprising:

- a plurality of application units, at least one application unit executing the IPMI message according to the execution procedure; and
- a central message buffer unit having a memory block which provides a pointer of a corresponding address for temporary storage of each IPMI message wherein the pointer transmitted by said application units, is used for reducing said application units times of reading the IPMI message and raising the performance of the IPMI system.

25. (original) The Advanced IPMI system of claim 24 wherein the message processing units receive the pointers of the IPMI message and then transmit the pointers to the application units through the message service modules.

26. (original) The advanced IPMI system of claim 25 wherein the application units read and process the IPMI message from the central message buffer unit according to the pointer.

27. (currently amended) An advanced intelligent platform management interface (IPMI) system with multi-message and configurable performance, optimally used among message sources, the IPMI system comprising:

~~an~~ a real time operating system (~~OS~~) (RTOS) management module having multiple specific mapping functions for communicating with different types of ~~OS~~ RTOS, allowing the advanced IPMI system to function with different ~~OS~~ RTOS; and

a hardware management module having a plurality of driver units for communicating with different baseboard management controller (BMC), allowing the advanced IPMI system to function in different hardware environments.

28. - 37. (canceled)

38. (original) A method for an advanced intelligent platform management interface (IPMI) system with multi-message and configurable performance, optimally used among message sources, the method comprising:

a channel center receiving at least one IPMI message from message sources;

by a plurality of programmable-configured message processing units, multi-processing concurrently the IPMI messages, each initiating according to each IPMI message a message service module having a default execution procedure;

by at least one application unit, executing the IPMI message according to the execution procedure of the message service module thereby generating a response message; and

sending back the response message to message sources through the channel center.

39. (original) The method for an advanced IPMI system of claim 38 further comprising: by the channel center temporarily, storing each said IPMI message in a central message buffer unit and therefore getting a pointer to a corresponding address and transmitting said pointer to the message processing unit.

40. (original) The method for an advanced IPMI system of claim 38 further comprising: looking up the corresponding message service module of a programmable-configured message sheet according to the IPMI message and initiating the execution procedure of the message service module for executing the IPMI message, the message sheet defining the corresponding relation between every IPMI message and the message service module.

41. (original) The method for an advanced IPMI system of claim 39 further comprising the message processing units transmitting the pointers to the IPMI message through the message service modules to the application units for processing.

42. (original) The method for an advanced IPMI system of claim 41 further comprising the application units sending, reading, and processing the IPMI message from the central message buffer unit according to the pointer.

43. (original) The method for an advanced IPMI system of claim 38 wherein the application units comprise at least a simple network management protocol (SNMP) trap, an event daemon, a sensor manager, a chassis controller, a platform event filter management unit (PEF), an I²C driver management unit, a memory control unit, a chip management unit, an advanced configuration and power interface (ACPI), a basic general purpose input/output (GPIO), and a power manager.

44. (original) The method for an advanced IPMI system of claim 38 wherein the message processing unit is a thread and the execution procedure of the message service module is a routine.

45. -48. (canceled)